

**IN THE DRAWINGS**

In Fig. 1, in the First-Order Delta Sigma Modulator 4, change "11" to "31" and change "12" to "32" as shown in the attached Replacement Sheet.

Attachment: Replacement Sheets

REMARKS

Claims 3, 4, 8, and 9 have been canceled. Claims 2, 5, 7, and 11-13, and amended claims 1, 6, and 10 are in this application.

A telephone discussion between the Examiner and Dennis Smid (one of the applicants' undersigned attorneys) was held on January 29, 2007. The applicants and Mr. Smid wish to thank the Examiner for her time and consideration for such discussion.

The drawings were objected to. In explaining this objection, the Examiner indicated that adder 31 mentioned on the last line of page 13 of the present application and shift computing element 32 on the first line of page 14 of the present application are not shown. As discussed during the January 29 discussion, Fig. 1 has been amended herein so as to correct this matter. Accordingly, it is respectfully requested that the objection to the drawings be withdrawn.

Claims 10-13 are rejected under 35 U.S.C. 112, second paragraph.

Claim 10 has been amended herein so as to revise the portion thereof which the Examiner identified during the January 29 discussion. Accordingly, it is respectfully requested that the above 112 rejection of claim 10, along with claims 11-13 dependent therefrom, be withdrawn. Further, during the January 29 discussion, the Examiner confirmed that claims 10-13 were only rejected under 35 U.S.C. 112, second paragraph. Accordingly, it is believed that claims 10-13 are allowable.

Claims 4 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

independent form including all of the limitations of the base claim and any intervening claims. As previously indicated, claims 4 and 9 have been canceled herein.

Claims 1, 2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noguchi et al. (5,859,603) in view of Adachi et al. (US 2002/0186440). Claim 6 is rejected under 35 U.S.C. 102(b) as being anticipated by Noguchi et al. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noguchi et al. in view of Adachi et al. Claims 3 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Adachi et al. in view of Yu (US 6,518,899).

As discussed during the January 29 discussion, independent claim 1 has been amended herein so as to include features similar to those of dependent claim 4 (which was indicated to be allowable), and independent claim 6 has been amended herein so as to include features of dependent claim 9 (which was indicated to be allowable). Accordingly, it is respectfully submitted that claim 1 is distinguishable from Noguchi in view of Adachi and that claim 6 is distinguishable from Noguchi. Claims 2, 5, and 7 depend from one of independent claims 1 and 6 and, as such, it is respectfully submitted that claims 2, 5, and 7 are distinguishable from Noguchi in view of Adachi. As previously indicated, claims 3 and 8 have been canceled.

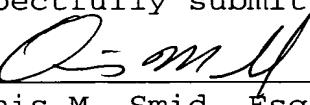
As it is believed that all of the rejections set forth in the Official Action have been overcome, favorable reconsideration and allowance are earnestly solicited. If, however, for any reason the Examiner does not believe that such action can be taken at this time, it is respectfully requested that the Examiner telephone applicants' attorney at (908) 654-

5000 in order to overcome any additional objections and/or rejections which the Examiner might have.

If there are any charges in connection with this requested amendment, the Examiner is authorized to charge Deposit Account No. 12-1095 therefor.

Dated: February 1, 2007

Respectfully submitted,

By   
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